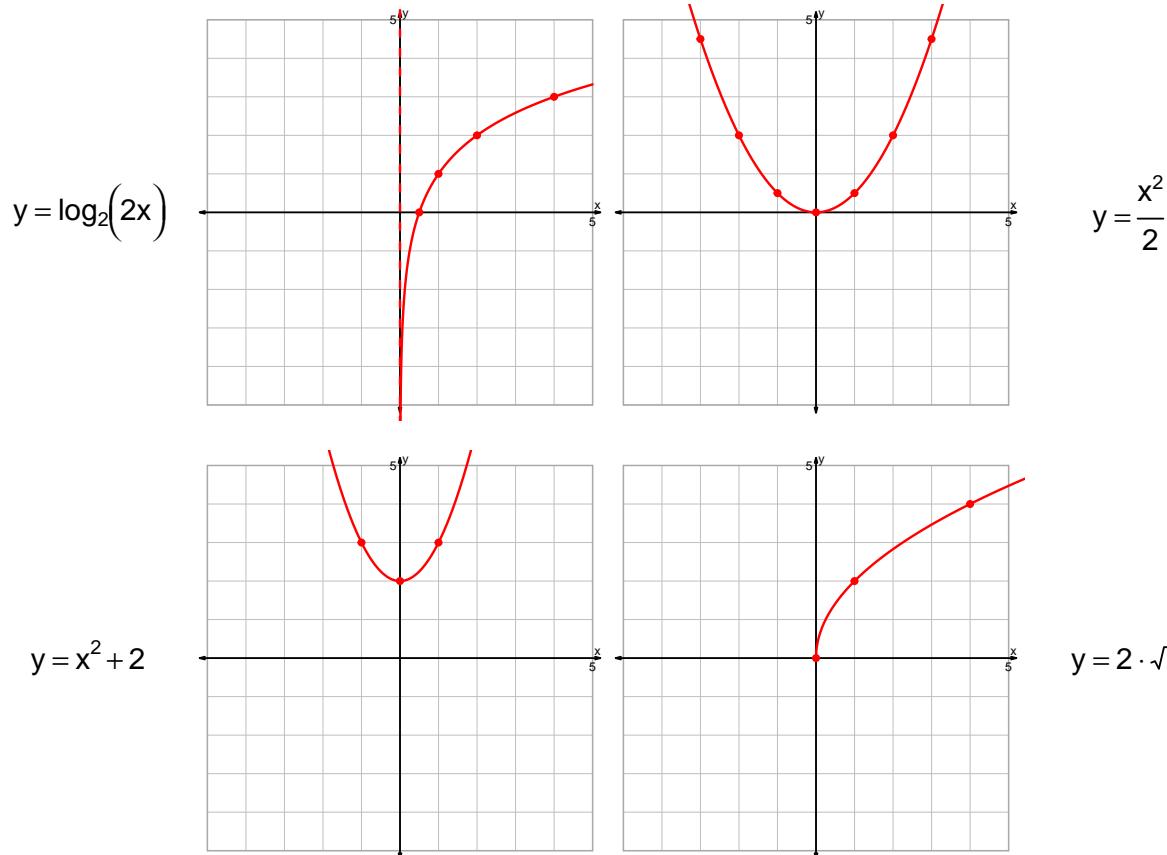


NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

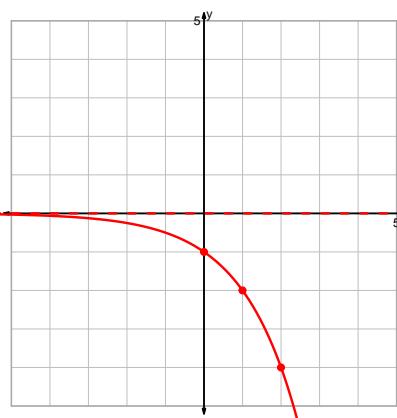
**Unit-2 Reduced Mastery Assessment (version 314)****Question 1 (20 points)**

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

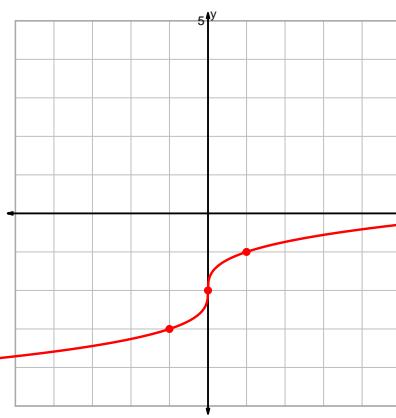


Question 2 continued...

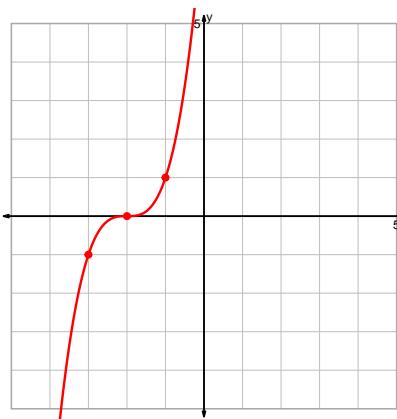
$$y = -2^x$$



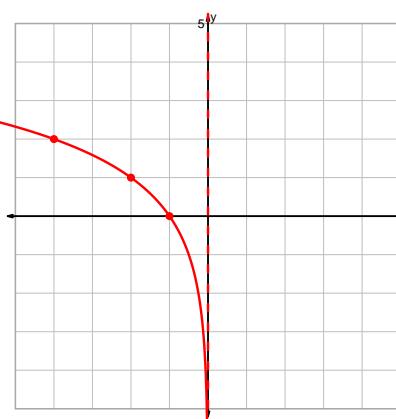
$$y = \sqrt[3]{x} - 2$$



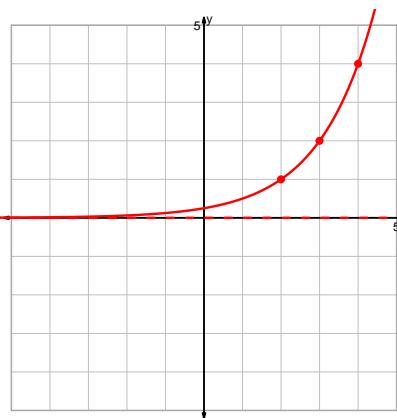
$$y = (x+2)^3$$



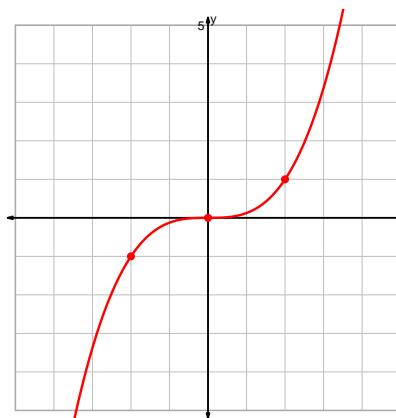
$$y = \log_2(-x)$$



$$y = 2^{x-2}$$

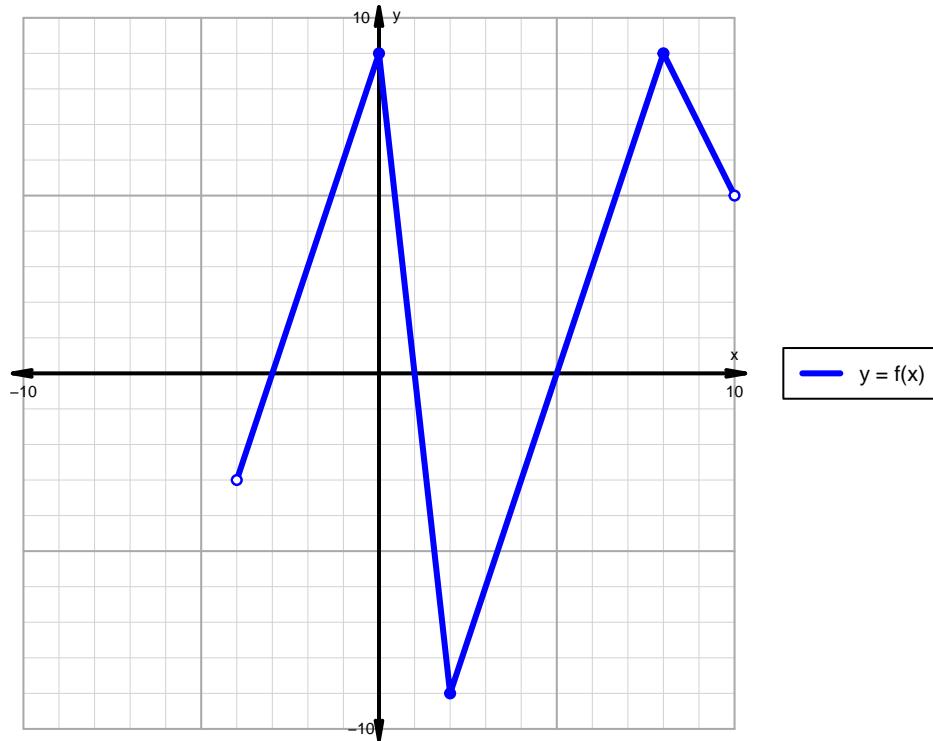


$$y = \left(\frac{x}{2}\right)^3$$



**Question 2 (20 points)**

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	$(-3, 1) \cup (5, 10)$
Negative	$(-4, -3) \cup (1, 5)$
Increasing	$(-4, 0) \cup (2, 8)$
Decreasing	$(0, 2) \cup (8, 10)$
Domain	$(-4, 10)$
Range	$(-9, 9)$